

IN THE CLAIMS:

Please cancel claims 1-38 without prejudice or disclaimer, and substitute new claims 39-71 as follows:

1-38 (Cancelled).

39. (New) A body protecting device for wearing by a user comprising:
 an outer surface and an inner surface; and
 an array of energy absorbing cells,
 wherein each cell comprises a tube,
and wherein substantially each tube has a side wall which is connected to the side wall
of at least another tube substantially along the length of the tube,
 and wherein substantially each tube has a tube axis extending from the outer
surface towards the inner surface,
such that the orientation of each tube is substantially maintained when a load is applied
to the outer surface.

40. (New) A body protecting device as claimed in Claim 39, wherein the tube
has a cylindrical or conical structure.

41. (New) A body protecting device as claimed in Claim 39 or 40, wherein the body protecting device comprises a safety helmet.
42. (New) A body protecting device as claimed in any preceding claim, wherein substantially each tube has a side wall which is connected to the side wall of at least another tube by an adhesive.
43. (New) A body protecting device as claimed in any of Claims 39 to 41, wherein substantially each tube has a side wall which is welded or fused to the side wall of at least another tube.
44. (New) A body protecting device as claimed in Claim 43, wherein one or more tubes are formed from an inner core comprising a first material and an outer core comprising a second material.
- 45.(New) A body protecting device as claimed in Claim 44, wherein the second material has a lower melting temperature than the first material.
46. (New) A body protecting device as claimed in any preceding claim, wherein substantially each tube is connected to at least three other tubes.

47. (New) A body protecting device as claimed in any preceding claim,
wherein substantially each tube is connected to six other tubes.

48. (New) A body protecting device as claimed in any preceding claim,
wherein each tube has a diameter of between 2 and 8 mm.

49. (New) A body protecting device as claimed in any preceding claim,
wherein each tube has a diameter of about 6 mm.

50. (New) A body protecting device as claimed in any preceding claim,
wherein the thickness of the side wall of each tube is less than 0.5 mm.

51. (New) A body protecting device as claimed in any preceding claim,
wherein the thickness of the side wall of each tube is between 0.1 and 0.3 mm.

52. (New) A body protecting device as claimed in any preceding claim,
wherein the length of each tube is less than 50 mm.

53. (New) A body protecting device as claimed in any preceding claim,
wherein the length of each tube is between 30 and 40 mm.

54. (New) A body protecting device as claimed in any preceding claim, wherein the array of energy absorbing cells is provided as an integral material.

55. (New) A body protecting device comprising:
 a first material bonded to a second material using an adhesive, wherein the adhesive has a melt temperature which is lower than the melt temperature of the first and second material.

56. (New) The body protecting device of Claim 55, wherein the first and second materials are in a softened state at the melt temperature of the adhesive.

57. (New) The body protecting device of Claim 55 or 56, wherein the first material is one of a polycarbonate, polypropylene, polyetherimide, polyethersulphone or polyphenylsulphone material.

58. (New) The body protecting device of any of Claims 55 to 57, wherein the second material is a plastics material.

59. (New) The body protecting device of Claim 58, wherein the second material is a fibre reinforced plastics material.

60. (New) The body protecting device of any of Claims 55 to 59, wherein the adhesive is a thermoplastic.

61. (New) The body protecting device of Claim 60, wherein the adhesive is a polyester based material.

62. (New) The body protecting device of any of Claims 55 to 61, wherein the melt temperature of the adhesive is less than 180°C.

63. (New) The body protecting device of Claim 62, wherein the melt temperature of the adhesive is between 120°C and 140°C.

64. (New) The body protecting device of Claim 63, wherein the body protecting device is heated during forming to between 155°C and 160°C.

65. (New) The body protecting device of any of Claims 55 to 64, further comprising a third material, wherein the first material interposes the second and third materials, and wherein the first material is bonded to the third material using the adhesive.

66. (New) The body protecting device of any of Claims 55 to 65, wherein the first material has an array of energy absorbing cells, each cell comprising a tube.

67. (New) A method of forming a body protecting device comprising:

bonding a first material to a second material using an adhesive, wherein the adhesive has a melt temperature which is lower than the melt temperature of the first and second material.

68. (New) The method of Claim 67, including selecting first and second materials which are in a softened state at the melt temperature of the first material.

69. (New) The method of Claim 67 or 68, including heating the body protecting device during forming to between 155°C and 160°C.

70. (New) The method of any of Claims 67 to 69, including bonding the first material to a third material using the adhesive.

71. (New) The method of any of Claims 67 to 70, wherein the first material has an array of energy absorbing cells, each cell comprising a tube.